

High Speed TxDAC's

		Normalized for Full Scale Span																						Model Designator					
		Power Supply Requirements				Output Current		Settling Time		Accuracy or Linearity		Differential Linearity		Full Scale Error		Zero Error		Bipolar Zero Error		Voltage Reference		Temperature Range			# of Pins				
	#	+Vcc	+Icc	-Vee	-Iee	mA		nsec	0.01 %	Lsb's		Lsb's		Lsb's		Lsb's		Lsb's		INT	EXT	0	-25	-40	-55				
MODEL	Bits	+ Volts	+ mA	- Volts	- mA	min	max	0.1		+25C	Tmax	+25C	Tmax	+25C	Tmax	+25C	Tmax	+25C	Tmax			70	85	85	125				
BIPOLAR DUAL SUPPLY																													
DAC-08	8	+5/15	3.8	-5/15	7.8	1.94	2.04	0.15		2	2	1/2	1/2	NA	NA	2	2	NA	NA		10.0	C				16			
DAC-08										1	1					1	1					E							
DAC-08						1.984	2	0.135		1/2	1/2					1/2	1/2					H			A				
AD9701 Complete Composite Video Functions																													
AD9701	8			-5.2V	160	0.024	26.11	6		1/2	1	1/2	1	na	na	.9mV				-1.26			B		Q	22/28			
AD9768	8	+5V	14	-5.2V	66	0	20	5		1	1	1	1							-1.26		J				18			
AD561	10	+15V	10	-15V	16	-1.5	-2.4	250		1/2	NS	NS	1	2	6	NS	3/4	2	1.5	-7.5		J				16			
AD561	10									1/4		1/2	3/4	2	2		1/3	2	2/3			K							
AD561	10														12		2	2	4						S				
AD561	10														6		1	2	2						T				
AD565A	12	+15V	5	-15V	18	-1.6	-2.4		400	1/2	NS	3/4	1	10	9	2	0.4	6	3	10		J				24			
AD565A	12	OR								1/4		1/2			3.5			4	3			K							
AD565A	12	+12V	5	-12V	18					1/2		3/4			20		3/4	6	6						S				
AD565A	12									1/4		1/2			8			4	6						T				
AD566A	12	+15V	5	-15V	18	-1.6	-2.4		350	1/2	NS	3/4	1	10	2	2	1/2	6	2		10	J				24			
AD566A	12	OR								1/4		1/2			1			4	2			K							
AD566A	12	+12V	5	-12V	18					1/2		3/4			4		1.5	6	4						S				
AD566A	12									1/4		1/2			2			4	4						T				
AD568	12	+15V	32	-15V	-8	10.24		23	35	1/2	3/4	1	1	40	9	8	1/2	8	3		+1>10	J				24			
AD568	12									1/4	1/2	1/2			5.5			8	3			K							
AD568	12									1/2	3/4	1			10		2	8	3						S				
AD668	12	+12V	32	-12V	9		10.24	90	120	1/2	3/4	1	1	40	5.5	8	1	40	3		+0.5>6	J			S	24			
AD668	12									1/4	1/2	1/2						40	3			K							
DAC16	16	+5V	20	-15	10		4		500	4	6	1.5	2	192	20	2	.025 ppm			+5V				F	B	24			
DAC16	16									2	4	1	1.5											E					
AD768	14	+5V		-5V		20.48			35	2	2	1	1	160		32				+ 2.5V				A					
AD768	16	+5V		-5V		20.48			35	8	8	6	6	640		128								A					

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	#	+Vcc	+Icc	-Vee	-Iee	mA		nsec		Lsb's		Lsb's		Lsb's		Lsb's		Lsb's		Reference		0	-25	-40	-55	of						
MODEL	Bits	+ Volts	+ mA	- Volts	- mA	min	max	0.1	0.01%	+25C	Tmax	+25C	Tmax	+25C	Tmax	+25C	Tmax	+25C	Tmax	INT	EXT	70	85	85	125	Pins						
BIPOLAR DUAL SUPPLY																																
AD9720 ECL LOGIC																																
AD9720	10			-5.2V	280	20.48 typ		4.5		1	1 1/2	3/4	1	150	150	3	4			-1.5V				B		28						
AD9720	10			-5.2V	280	20.48 typ				1 1/2		2	1	1 1/2	150	150	3	4						T	28							
AD9721/31 TTL LOGIC																																
AD9721	10	+5V	30	-5.2V	290	20.48 typ		4.5		1	1 1/2	3/4	1	150	150	3	4			-1.5V				B		28						
AD9721	10	+5V	30	-5.2V	290	20.48 typ				1 1/2		2	1	1 1/2	150	150	3	4						T	28							
AD9731	10	+5V	10	-5.2V	75	20.48 typ		4.5		1/2	1	1/2	1	100		1				+1.25V				A	28							
AD9712B ECL LOGIC																																
AD9712B	12			-5.2V	178	20.48 typ		30		2	3	1.5	2	340	451	NS	NS	NS	NS	-1.3				A		28						
AD9712B										1	1 3/4	3/4	1.5										B	T								
AD9713 TTL LOGIC																																
AD9712B	12	+5V	12	-5.2V	184	20.48 typ		30		2	3	1.5	2	340	451	NS	NS	NS	NS	-1.3				A		28						
AD9712B										1	1 3/4	3/4	1.5										B	T								
SFDR COMPASRSION BETWEEN AD9721 and AD9713																																
	5 MSPS				10 MSPS			20 MSPS		30 MSPS			40 MSPS		50 MSPS		60 MSPS		70 MSPS		80 MSPS											
MHZ	9721	9713	MHZ	9721	9713	MHZ	9721	9713	MHZ	9721	9713	MHZ	9721	9713	MHZ	9721	9713	MHZ	9721	9713	MHZ	9721	9713	MHZ	9721	9713						
0.501	65	65	1.01	69	68	2.01	70	72	3.01	69	70	4.01	70	68	5.01	70	68	6.01	70	66	7.01	70	68	8.01	70	66						
1.01	68	69	2.01	69	70	4.01	69	69	6.01	65	69	8.01	63	67	10	63	68	12.01	60	68	14.01	63	68	16	60	68						
2.01	68	66	4.01	69	66	8.01	68	63	12.01	64	59	16.01	59	56	20	57	57	24.01	58	54	28.01	57	57	32	58	54						
CMOS, SINGLE SUPPLY																																
AD7943	12	+5V	0.2			±Vref/5K		500		1/2		1								X			B		16							
AD7945	12	+5V	0.2			±Vref/5K		500		1/2		1								X			B		20							
AD7948	12	+5V	0.2			±Vref/5K		500		1/2		1								X			B		20							
ADV7128 -30	10	+5V	125			15	22	30 MHZ		1	1	1/2	1/2	<-----5% Grayscale----->							1.235	K				40						
ADV7128 -50	10							50 MHZ														K										
ADV7128 -80	10							80 MHZ														K										

High Speed TxDAC's

Price
/100's
\$1.20
\$1.50
\$2.25
\$16.42
\$22.00
\$17.18
\$28.68
\$17.00
\$35.00
\$22.07
\$45.08
\$36.30
\$51.70
\$36.30
\$51.70
\$25.00
\$32.00
\$24.95
\$24.95

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Price
/100's
\$50.00
\$40.00
\$12.00
\$35.00
\$65.00
\$35.00
\$65.00
SFDR
SFDR
SFDR
\$5.95
\$5.95
\$5.95
\$8.25
\$9.90
\$13.20